

In the Claims

Claims 1, 7, 15, 23, 30-33, 39 are currently amended.

Claims 1-48 are pending, and are listed below.

1. (Currently Amended) A method of tuning an information presentation appliance comprising:

receiving user input specifying at least one category of information to be blocked from presentation on the appliance, wherein the category is associated with at least one user-defined keyword ~~created and entered~~ by a user, wherein the user-defined keyword further specifies information to be blocked from presentation on the appliance if the information contains the user-defined keyword;

creating a device description page using a markup language;

storing data representing the categories of information specified by the user and the user-defined keyword entered by the user in the device description page; and

transmitting the device description page with the data representing the categories of information and the user-defined keyword through a network.

2. (Original) The method of claim 1 wherein the information presentation appliance conforms to a Universal Plug and Play device architecture.

3. (Original) The method of claim 1 wherein the markup language is text-based.

4. (Original) The method of claim 1 wherein the markup language identifies an element with a tag, and wherein the tag is defined in a schema.
5. (Previously presented) The method of claim 1 wherein information blocked from presentation on the information presentation appliance is audio information.
6. (Previously presented) The method of claim 1 wherein information blocked from presentation on the information presentation appliance is video information.

7. (Currently Amended) A method of tuning an information presentation appliance comprising:

receiving a device description page written in a markup language;

parsing the device description page to identify available categories of information, and to identify at least one user-defined keyword that has been ~~input~~ entered by a user and is associated with at least one of the categories;

presenting the available categories of information to a user;

receiving user input at the information presentation appliance specifying selected categories of information to be blocked from presentation on the information presentation appliance;

receiving further user input at the information presentation appliance specifying at least one user-defined keyword, wherein the user-defined keyword indicates information to be blocked from presentation on the appliance if the information contains the user-defined keyword; and

invoking a deliver function referenced by a service description page to receive an element of information belonging to a category other than the selected categories of information.

8. (Original) The method of claim 7 wherein the information presentation appliance conforms to a Universal Plug and Play control point architecture.

9. (Original) The method of claim 7 wherein the markup language is text-based.

10. (Previously presented) The method of claim 7 wherein information blocked from presentation on the information presentation appliance is audio information.

11. (Previously presented) The method of claim 7 wherein information blocked from presentation on the information presentation appliance is video information.

12. (Previously presented) The method of claim 7 wherein the parsing the device description page to identify the available categories of information comprises:

identifying a service description page pointer to the service description page;

requesting the service description page using the service description page pointer; and

parsing the service description page to identify the available categories of information.

13. (Original) The method of claim 12 wherein the parsing the service description page to identify the available categories of information comprises:

identifying a list function pointer to a list function, wherein the list function lists the available categories of information; and

invoking the list function to list the available categories of information using the list function pointer.

14. (Original) The method of claim 13 wherein the invoking the list function to list the available categories of information comprises:

receiving a list of identifiers of the available categories of information;
identifying a name function pointer to a name function, wherein the name function provides names for the available categories of information; and
invoking the name function for each identifier in the list of identifiers.

15. (Currently amended) An information presentation appliance comprising:

a user input device for enabling a user to specify categories of information to be blocked from presentation on the information presentation appliance, and for enabling the user to key-in at least one user-defined keyword that further specifies information to be blocked from presentation on the appliance if the information contains the user-defined keyword, wherein at least one of the categories is associated with the at least one user-defined keyword ~~that has been keyed in by a user~~;

a processing unit for ~~performing steps comprising:~~ creating a device description page written in a markup language and containing data representing the categories of information and the user-defined keyword specified by the user through the user input device;

a memory storage for ~~performing steps comprising:~~ storing the device description page; and

a network connection for ~~performing steps comprising:~~ transmitting the device description page.

16. (Original) The information presentation appliance of claim 15 wherein the information presentation appliance conforms to a Universal Plug and Play device architecture.

17. (Original) The information presentation appliance of claim 15 wherein the information presentation appliance is an electronic picture frame.

18. (Original) The information presentation appliance of claim 15 wherein the information presentation appliance is a speaker.

19. (Original) The information presentation appliance of claim 15 wherein the information presentation appliance is a decoder device.

20. (Original) The information presentation appliance of claim 15 wherein the markup language is text-based.

21. (Original) The information presentation appliance of claim 15 wherein the markup language identifies an element with a tag, and wherein the tag is defined in a schema.

22. (Original) The information presentation appliance of claim 15 wherein the categories of information in the device description page are identified with extended tags, and wherein the extended tags are defined in an extended schema.

23. (Currently Amended) An information presentation appliance comprising:

- a network connection for ~~performing steps comprising:~~ receiving a device description page written in a markup language;
- a user input device for ~~performing steps comprising:~~ receiving user input specifying selected categories of information to be blocked from presentation on the information presentation appliance, and for enabling the user to enter at least one user-defined keyword further specifying information to be blocked from presentation on the information presentation appliance if the information contains the user-defined user, wherein at least one of the categories is associated with the at least one user-defined keyword ~~input by a user;~~ and
- a processing unit for ~~performing steps comprising:~~
 - parsing the device description page to identify at least one available category of information and at least one user-defined keyword associated with the category; and
 - invoking a deliver function referenced by a service description page to receive an element of information belonging to a category other than the selected categories of information.

24. (Original) The information presentation appliance of claim 23 wherein the information presentation appliance conforms to a Universal Plug and Play control point architecture.

25. (Original) The information presentation appliance of claim 23 wherein the information presentation appliance is an electronic picture frame.

26. (Original) The information presentation appliance of claim 23 wherein the information presentation appliance is a speaker.

27. (Previously presented) The information presentation appliance of claim 23 wherein the information presentation appliance is a decoder device.

28. (Original) The information presentation appliance of claim 23 wherein the markup language is text-based.

29. (Original) The information presentation appliance of claim 23 wherein the available categories of information include the selected categories of information.

30. (Currently amended) The information presentation appliance of claim 23 wherein ~~the step of parsing the device description page to identify the available categories of information further comprises the steps of:~~

identifying a service description page pointer to the service description page;

requesting the service description page using the service description page pointer; and

parsing the service description page to identify the available categories of information.

31. (Currently amended) The information presentation appliance of claim 30 wherein ~~the step of~~ parsing the service description page to identify the available categories of information further comprises ~~the steps of~~:

identifying a list function pointer to a list function, wherein the list function lists the available categories of information; and

invoking the list function to list the available categories of information using the list function pointer.

32. (Currently amended) The information presentation appliance of claim 31 wherein ~~the step of~~ involving the list function to list the available categories of information further comprises ~~the steps of~~:

receiving a list of identifiers of the available categories of information;

identifying a name function pointer to a name function, wherein the name function provides names for the available categories of information; and

invoking the name function for each identifier in the list of identifiers.

33. (Currently Amended) A computer-readable medium having computer-executable instructions for tuning an information presentation appliance, the computer-executable instructions performing steps-a process comprising:

receiving user input specifying categories of information to be blocked from presentation on the information presentation appliance, wherein at least one of the categories is associated with at least one user-defined keyword input-entered by a user, wherein the user-defined keyword further specifies information to be blocked from presentation on the appliance if the information contains the user-defined keyword;

creating a device description page using a markup language;

storing data representing the categories of information and the user-defined keyword specified-entered by the user in the device description page; and

transmitting the device description page with the categories of information through a network.

34. (Original) The computer-readable medium of claim 33 wherein the information presentation appliance conforms to a Universal Plug and Play device architecture.

35. (Previously presented) The computer-readable medium of claim 33 wherein the information presentation appliance is an electronic picture frame.

36. (Original) The computer-readable medium of claim 33 wherein the markup language is text-based.

37. (Original) The computer-readable medium of claim 33 wherein the markup language identifies an element with a tag, and wherein the tag is defined in a schema.

38. (Original) The computer-readable medium of claim 33 wherein the categories of information in the device description page are identified with extended tags, and wherein the extended tags are defined in an extended schema.

39. (Currently Amended) A computer-readable medium having computer-executable instructions for tuning an information presentation appliance, the computer-executable instructions performing steps a process comprising:

receiving a device description page written in a markup language;

parsing the device description page to identify available categories of information, wherein at least one of the categories is associated with at least one user-defined keyword that has been keyed in by a user;

presenting the available categories of information to a user;

receiving user input at the information presentation appliance specifying selected categories of information to be blocked from presentation on the information presentation appliance;

receiving further user input at the information presentation appliance specifying at least one user-defined keyword that indicates information to be blocked from presentation on the appliance if the information contains the user-defined keyword; and

invoking a deliver function referenced by a service description page to receive an element of information belonging to a category other than the selected categories of information.

40. (Original) The computer-readable medium of claim 39 wherein the information presentation appliance conforms to a Universal Plug and Play control point architecture.

41. (Original) The computer-readable medium of claim 39 wherein the information presentation appliance is an electronic picture frame.

42. (Original) The computer-readable medium of claim 39 wherein the markup language is text-based.

43. (Original) The computer-readable medium of claim 39 wherein the available categories of information include the selected categories of information.

44. (Previously presented) The computer-readable medium of claim 39 wherein the parsing the device description page to identify the available categories of information comprises:

identifying a service description page pointer to the service description page;

requesting the service description page using the service description page pointer; and

parsing the service description page to identify the available categories of information.

45. (Original) The computer-readable medium of claim 44 wherein the parsing the service description page to identify the available categories of information comprises:

identifying a list function pointer to a list function, wherein the list function lists the available categories of information; and

invoking the list function to list the available categories of information using the list function pointer.

46. (Original) The computer-readable medium of claim 45 wherein the invoking the list function to list the available categories of information comprises:

receiving a list of identifiers of the available categories of information;

identifying a name function pointer to a name function, wherein the name function provides names for the available categories of information; and

invoking the name function for each identifier in the list of identifiers.

47. (Previously Presented) The method of claim 1 wherein the receiving user input is at the information presentation appliance.

48. (Previously Presented) The computer-readable medium of claim 33 wherein the receiving user input is at the information presentation appliance.